

Work Order ID 145149

Tuesday, May 03, 2016 2:00:11 PM

145149

Page 1

Item ID: D5294-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: 1" Snap Hook

Start Date: 5/6/2016 Start Qty: 48.00

48

Cust Item ID:

Required Date: 5/18/2016 Req'd Qty: 48.00

48

Customer:

Reference:

Approvals:

Process Plan: MLSDate: MAY 03 2016

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D5294	A

100

0.00

100

PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 32473Possible Supplier: CTS
Description: 1" snap hook
Supplier P/N: 18460

C OF C is required

48MAY 25 2016DAS
13
9-89

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.00

Packaging

48x SP/6-05-26

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval			
Description Work Order Deviation				Disposition				Completed By			
Root Cause				FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐		No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐		Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐		Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	
☐ OTHER : _____											

Work Order ID 145149

Tuesday, May 03, 2016 2:00:11 PM

145149

Page 2

Item ID: D5294-1

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: 1" Snap Hook

Start Date: 5/6/2016 Start Qty: 48.00

48

Cust Item ID:

Required Date: 5/18/2016 Req'd Qty: 48.00

48

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC6- Inspect dimensions to drawing	0.00							
120						48			DAS 38 9-89
QC	Memo	0.00							
Quality Control									MAY 26 2016
130	Identify as per dwg & Stock Location: 216A	0.00							
130									
Packaging	Memo	0.00							
Packaging									48 MAY 26 2016 DAS 13 9-89
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									1605 MAY 27 2016 2m 16/05/27

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

Tuesday, May 03, 2016 2:00:15 PM

Page 1

Work Order ID: 145149

145149

Parent Item: D5294-1

D5294-1

Parent Item Name: 1" Snap Hook

Start Date: 5/6/2016

Required Date: 5/18/2016

Start Qty: 48.00

Required Qty: 48.00

Comments: IPP REV:A 15.09.29 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

18460

Purchased

No

Each

0.0000

48

18460

1" Snap Hook

48x 5/16-05-26

DQA: _____ Date: _____



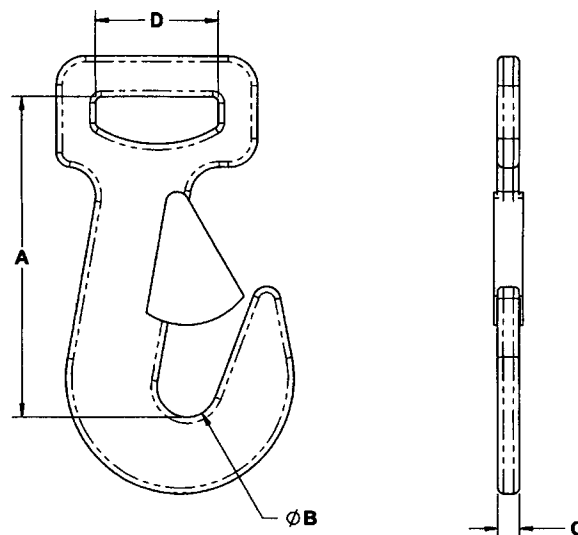
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

SPECIFICATION CONTROL DRAWING



D5294-X SNAP HOOK

STOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT

WORK IN NOTICE
ORDER

145149 MJS

16-05-03

DART P/N	DESCRIPTION	VENDOR	VENDOR P/N	A	B	C	D	MATERIAL	BREAKING STRENGTH	WEIGHT
D5294-1	1" SNAP HOOK	C.T.S.	18460	2.76	0.47	0.14	1.06	STEEL	3000 LBS	0.21 LBS

RELEASED
2015-09-08
5W 15-624

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY PER DART QSI 044
- 7) WEIGHT: SEE TABLE

APPROVED

REV.	DESCRIPTION	DB	15.09.01
DESIGN	DB		
DRAWN	DB		
CHECKED	AP		
MFG. APPR.	DD		
APPROVED	WM		
DE APPR.	DS		
DATE	15.09.01		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO.
D5294

REV. A
SHEET 1 OF 1

TITLE
SNAP HOOK

SCALE
NTS

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WRITTEN PERMISSION FROM DART AEROSPACE LTD.



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO32473

Purchase Order Date 5/25/2016
PO Print Date 5/25/2016

Page Number 1 of 2

Order From : VC-ROY001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

RBC ROYAL BANK - VISA
PAYMENT CENTRE, PO BOX 4016, STAT. A
TORONTO, ON M5W 1X6
CA

E-MAILED

MAY 25 2016

Contact Name
Vendor Phone

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms COD
Currency CAD
FOB Destination-Collect

Ship To Contact
Ship To Phone
Ship Via: FedEx Overnight collect
Ship Acct:

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	80944 AS PER DWG D5296 REV. B B145152	2" O/C Buckle	5/27/2016 Yes 5/27/2016	FN	32.00 Each	\$6.62	\$211.84
Line Total:							\$211.84
2	81130 AS PER DWG D5296 REV. B B145151	1" O/C Buckle	5/27/2016 Yes 5/27/2016	FN	48.00 Each	\$6.62	\$317.52
Line Total:							\$317.52
3	18460 AS PER DWG D5294 REV. A B145149	1" Snap Hook	5/27/2016 Yes 5/27/2016	FN	48.00 Each	\$2.03	\$97.20

PO Instructions: CTS CARGO TIE-DOWN

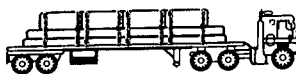
Note:

5/25/2016

8816-05-26



CTS



- FLATBED • MARINE
- INTERIOR VAN • RAIL
- AUTO TIE-DOWN

Cargo Tie-Down Specialty Inc.

160 Milner Avenue, Toronto, ON. M1S 3R3
 Toll Free 1-888-412-7144 Tel: 416-412-7144 Fax: 416-412-7145
 Website: www.ctscargotiedown.com E-Mail: sales@ctscargotiedown.com

PACKING SLIP

ACCOUNT #	ORDER DATE	PACKING SLIP NO.
COD	5/25/2016	186127

BILL TO

DART AEROSPACE
 1270 ABERDEEN ST.
 HAWKESBURY, ON K6A 1K7

SHIP TO

DART AEROSPACE
 1270 ABERDEEN ST.
 HAWKESBURY, ON K6A 1K7

613 632 9577

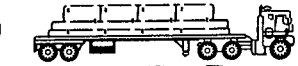


PICKUP TIME:

P.O. NO.		ORDER BY	SHIP DATE	SHIP VIA	FOB	TERMS		REP		
PO32473		CHANTEL	5/25/2016	PUR#7684382	TORONTO	CREDIT CARD		HA		
TOTAL PKGS	ITEM NUMBER	DESCRIPTION			QUANTITY ORDERED	QUANTITY SHIPPED	QTY B/O	UNIT	UNIT WT (LBS)	BIN #
1	80944	2" OVERCENTER BUCKLE B/S: 4,400LBS			32	32 ✓	0	EA	0.75	C9-4
1	81130	1" OVERCENTER BUCKLE, B/S: 3,000 LBS			48	48 ✓	0	EA	0.55	B3-5
1	18460	✓ 1" SNAP HOOK, B/S: 3,000LBS, Y/Z			48	48 ✓	0	EA	0.21	B7-2
1	18420	2" TWISTED SNAP HOOK, B/S: 11,000LBS, Y/Z			64	64 ✓	0	EA	0.59	B3-6
=====										
PRODUCT CERTIFICATE REQUIRED										
SHIP VIA PUROLATOR NEXT DAY #7684382										
****USE CREDIT CARD ENDING#4712****										
HST (ON) on sales										
BAG/REEL		BUNDLE	CARTON	SKID	DIMENSIONS		TOTAL WEIGHT (LBS)		RECEIVED BY	RECEIVED DATE
			4				109			

8/16/05-26

Claims for shortages or defects must be made within 5 days after their arrival. After such time, the Buyers shall not be entitled to make any claim on account of shortages, defects or other cause.



- FLATBED • MARINE
- INTERIOR VAN • RAIL
- AUTO TIE-DOWN • CARGO NET

Cargo Tie-Down Specialty Inc.

160 Milner Avenue, Toronto, ON. M1S 3R3 CANADA

Tel: 416-412-7144 / 1-888-412-7144 (CAN/USA)

Fax: 416-412-7145

Website: www.ctscargotiedown.com

E-Mail: sales@ctscargotiedown.com



WHATEVER YOU NEED, GET IT WITH SPEED
TOP QUALITY, NO COMPROMISE
Outlasts ordinary straps, get "GRIZZLYWEB" straps!

INVOICE

Invoice Date

5/25/2016

Invoice #

89476

Bill To

DART AEROSPACE
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

Ship To

DART AEROSPACE
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

Customer Account No.	COD	Phone No.	613 632 9577	Fax No.	Ordered By	CHANTEL LA...		
Packing Slip No.	P.O. No.	Terms	Rep	Ship Date	Ship Via			
186127	PO32473	CREDIT CARD	HA	5/25/2016	PUR#7684382			
Item	Description	QUANTITY			Unit	Price	Amount	
		Ordered	Shipped	B/O				
80944	2" OVERCENTER BUCKLE B/S: 4,400LBS	32	32	0	EA	6.62	211.84	
81130	1" OVERCENTER BUCKLE, B/S: 3,000 LBS	48	48	0	EA	6.62	317.76	
18460	1" SNAP HOOK, B/S:3,000LBS, Y/Z	48	48	0	EA	2.03	97.44	
18420	2" TWISTED SNAP HOOK, B/S:11,000LBS, Y/Z	64	64	0	EA	3.78	241.92	
===== PRODUCT CERTIFICATE REQUIRED SHIP VIA PUROLATOR NEXT DAY #7684382 ****USE CREDIT CARD ENDING#4712**** SHIP DATE: MAY.25.2016 4 CARTONS = 109 LBS TRACKING# 330742839526								
PAID ☐ DEBIT _____ CASH _____ VISA _____ AMEX _____ MASTER _____ CHEQUE _____ E-PAYMENT _____								
PAYMENT TERMS - For Customers with approved credit, payment terms are net 30 days from date of shipment. VISA, MASTERCARD and AMERICAN EXPRESS card orders are accepted. RETURNS - If for any reason, you are dissatisfied with a product you receive from CTS, you may at any time within 5 days from your receipt of shipment return such goods for a full credit, exchange or refund. The return of custom and made-to order products is subject to the prior approval and restocking charges. Returned products must be shipped prepaid.						Subtotal CAD 868.96 HST/GST CAD 112.96 Total CAD 981.92 Payments/Credit CAD 0.00 Balance Due CAD 981.92		
HST #896781127		Due Date		5/25/2016				

8/16 05-26

Thank you for your order. We appreciate your business!



160 Milner Avenue, Toronto, ON M1S 3R3, CANADA
Tel: 416-412-7144 / 1-888-412-7144 Fax: 416-412-7145
Email: sales@ctscargotiedown.com
Website: www.ctscargotiedown.com

Customer Name	Purchase Order Number	Packing slip No.	Purchase Date (MM-DD-YYYY)
DART AEROSPACE	32473	186127	05-25-2016

Certificate of Compliance – Hardware/Webbing

Qty.	Item No.	Description	WORKING LOAD LIMIT (LBS)	BREAKING STRENGTH (LBS)	Country of Origin
32	80944	2" OVERCENTER BUCKLE	1,466	4,400	CN
48	81130	1" OVERCENTER BUCKLE	1,000	3,000	CN
48	18460	1" SNAP HOOK	1,000	3,000	CN
64	18420	2" TWISTED SNAP HOOK	3,600	11,000	CN

I hereby certify that the goods listed hereon have been inspected and/or tested, as applicable, and conform to all specifications and requirements detailed in the contract or purchase order and relevant quality clauses. This report is applicable only to the sample or samples tested. Rework of this product may alter these results.

Signed by: *ALFong*

Design Factor

The design factor for tie downs shall be a minimum of 3.

Proof Test

Has been test to a minimum of one and one half (1.5) times the working load limit (WLL).